Attorney Docket 1087.1B(35US3)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ROBERT J. LIPSHUTZ et al.
Serial No.: 09/519,148
Filed : March 6, 2000

Art Unit : 1655
Examiner : Bradley L. Sisson

Title: INTEGRATED NUCLEIC ACID DIAGNOSTIC DEVICE

COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

TRANSMITTAL LETTER

In response to the Office Action of November 6, 2001, Applicants are transmitting herewith the following documents:

- Response to Office Action mailed of November 6, 2001 (including Claim amendments shown)
- Petition for One-Month Extension of Time
- Request for Continuing Examination (RCE)
- Return Receipt Postcard

Please charge the fee of **$994.00** to the Deposit Account No. 01-0431 (RCE fee $740 + 16 dependent claims fee $144.00 + extention fee of $110.00).

Please charge any fees or apply any credits to the Deposit Account No. 01-0431.

Respectfully submitted,

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on

March 6, 2002

Ivan D. Zitkovsky

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AMENDMENT

In response to the Office Action of November 6, 2001, Applicants filed herewith a Request for Continuing Examination (RCE), and amend the present application as follows:

In the Claims:

80. (Three times amended) A method of analyzing a sample in an integrated microfluidic device having at least two chambers in fluid communication, comprising:

supplying the sample into a first chamber of the integrated microfluidic device, wherein the first chamber is selected from the group of chambers adapted to perform a preparative reaction, an analysis reaction, sample acquisition, DNA extraction, amplification, IV transcription or labeling;

performing a first reaction in the first chamber;

moving the sample from the first chamber to the second chamber, wherein the second chamber is selected from the group of chambers adapted to perform a preparative reaction, an analysis reaction including hybridization, sample acquisition, DNA extraction, amplification, IV transcription or labeling;

performing a second reaction in the second chamber, the second reaction being different from the first reaction; [and]

performing confocal microscopy on the hybridized sample by detecting an optical signal from the hybridized sample inside of the chamber using a reader device located outside of the chamber;